

WHAT IS CLAIMED IS:

- Sub A
- 1 1. A method, comprising:
2 receiving a packet at a port filter, wherein the packet comprises a port
3 identifier;
4 determining whether there is a host application associated with the port
5 identifier; and
6 when there is not a host application associated with the port identifier,
7 discarding the packet.
 - 1 2. The method of claim 1, further comprising:
2 when there is a host application assigned to the port, sending a wake-up
3 message to a host computer.
 - 1 3. The method of claim 2, further comprising:
2 receiving the wake-up message at the host computer; and
3 changing the host computer from a power-managed state to an operational
4 state.
 - 1 4. The method of claim 1, further comprising:
2 receiving information from the host computer; and
3 using the information to carry out the determining element.
 - 1 5. The method of claim 4, wherein the information comprises executable
2 instructions.
 - 1 6. The method of claim 4, wherein the information comprises data, wherein the
2 data describes a host application.
3

1 7. The method of claim 4, wherein the information comprises data, wherein the
2 data describes a port identifier.

Sub A1
1 8. The method of claim 1, further comprising:
2 detecting a port in use by the host application;
3 selecting information based on the port in use by the host application; and
4 sending the information to the port filter, wherein the port filter uses the
5 information to carry out the determining element.

1 9. The method of claim 8, wherein the information comprises executable
2 instructions.

1 10. The method of claim 8, wherein the information comprises data, and wherein
2 the data is to describe a host application.

1 11. The method of claim 8, wherein the information comprises data, and wherein
2 the data is to describe a port identifier.

1 12. A signal-bearing media comprising instructions, wherein the instructions when
2 read and executed by a processor comprise:
3 receiving a packet comprising a port identifier;
4 determining whether there is a host application associated with the port
5 identifier; and
6 when there is a host application associated with the port identifier, sending a
7 wake-up message to a host computer.

1 13. The signal-bearing media of claim 12 further comprising:
2 when there is not a host application assigned to the port, discarding the packet.

1 14. The signal-bearing media of claim 12, further comprising:

2 receiving the wake-up message; and
3 changing the host computer from a power-managed state to an operational
4 state.

Sub A1
2 15. The signal-bearing media of claim 12, further comprising:
3 receiving information from the host computer; and
using the information to carry out the determining element.

1 16. The signal-bearing media of claim 15, wherein the information comprises
2 executable instructions.

1 17. The signal-bearing media of claim 15, wherein the information comprises data,
2 and wherein the data is to describe a host application.

1 18. The signal-bearing media of claim 15, wherein the information comprises data,
2 and wherein the data is to describe a port identifier.

1 19. The signal-bearing media of claim 12, further comprising:
2 detecting a port in use by the host application;
3 selecting information based on the port in use by the host application; and
4 sending the information to the port filter, wherein the port filter uses the
5 information to carry out the determining element.

1 20. The signal-bearing media of claim 19, wherein the information comprises
2 executable instructions.

1 21. The signal-bearing media of claim 19, wherein the information comprises data,
2 wherein the data describes a host application.

1 22. The signal-bearing media of claim 19, wherein the information comprises data,
2 wherein the data describes a port identifier.

1 23. An apparatus, comprising:
a port filter to
3 receive a packet comprising a port identifier,
4 determine whether there is a host application associated with the port
5 identifier, and
6 send a wake-up message to a host computer when there is a host
7 application associated with the port identifier.

1 24. The apparatus of claim 23, wherein the port filter further is to:
2 discard the packet when there is not a host application associated with the port
3 identifier.

1 25. The apparatus of claim 23, wherein the port filter further is to:
2 receive program information from the host computer; and
3 use the program information to execute the determine element.

1 26. The apparatus of claim 25, wherein the program information comprises
2 executable instructions.

1 27. The apparatus of claim 25, wherein the program information comprises data
2 to describe a host application.

1 28. The apparatus of claim 25, wherein the program information comprises data
2 to describe a port identifier.

1 29. The apparatus of claim 23, wherein the wake-up message is to cause the host
computer to change from a power-managed state to an operational state.